BRUHAT BENGALURU MAHANAGARA PALIKE

Name Of Work:- Construction of R C C Drains 9th cross in Kalalanagar in Ward No.15 (SCP/TSP Works Block No 78)

Estimated Cost

Rs :- 12.68 Lakh

Office of the
Executive Engineer
Hebbal Division
BBMP, BENGALURU

BRUHAT BANGALORE MAHANAGARA PALIKE

Of Work:- Construction of R C C Drains 9th cross in Kalalanagar in Ward No.15 (SCP/TSP Works Block No 78)

le :- EST Cost 12.68 Lakhs

Description	Unit	No	Length	Width	Depth	Qty	Rate	Amount
h work excavation by manual means for drains,canals and similar works in all kinds of soils per drawing and technical specifications, including setting out, shoring, strutting, icading, caution lights, re- moval of stumps and other deleterious matter, excavated ace lev- eled and sides neatly dressed disposing off the excavated stuff or sort- ing & cking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of our, tools & other appurtenaces required to complete the work.In all kinds of soils Depth o 1.5 m (PWD,CSR 2023-24. Vol -1, Pg No-5, I. No-1.4.1)								
Drain Work	Cum	1	151.45	0.90	0.90	122.67		
Basic Rate	242.00					122.67	266.20	32655.00
Add 10% Area weightage	24.20							
Total	266.20							
viding and laying in position plain cement concrete for levelling course for all works foundation. The granite/trap/basalt crushed graded coarse aggregates and fine regates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm kness, well compacted using plate vibrators, including all lead & lifts, cost of all materials quality, labour, Usage charges of machineries, curing, and all the other appurtenances uired to complete the work as per technical specifications. (The cost of steel reinforcement ormwork shall be paid separately) Mix 1:3:6 Using 40 mm nominal size graded crushed rse aggregates(PWD,CSR 2023-24. Vol -1, Pg No-15, I. No-2.1.3)								
	Cum	1	151.45	0.90	0.15	20.45		
Basic Rate	5989.00					20.45	6587.90	134695.00
Add 10% Area weightage	598.90							
Total	6587.90							
oviding and laying in position Reinforced cement concrete for all Sub structures of ilding, Irrigation works, Sub structure works of bridges, Drain works & other parallel rks from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse gregates and fine aggregates as per relevant IS Codes machine mixed with super asticisers, laid in layers, well compacted using needle vibrators, providing weep holes herever necesary, including all lead & lifts, cost of all materials of quality, confirming to the quirements of relevant IS codes , labour, Usage charges of machinery, curing and all other purtenances required to complete the work as per technical specifications. (The cost steel reinforcement & formwork to be paid separately)M20 Design Mix Using 20 mm and own size graded crushed coarse aggregates (PWD,CSR 2023-24. Vol -1, Pg No-16, I. No-2.4.2)								
ain Btm	Cum	1	151.45	0.90	0.15	20.45		
alls		2	151.45	0.15	0.60	27.26		
Basic Rate	6323.00					47.71	6955.30	331815.00
Add 10% Area weightage	632.30							
Total	6955.30							

ndix I – Additionalities for Formwork, Centering & Scaffolding								
ndation, Sub structure of Cross drainages 5%(PWD,CSR 2023-24. Vol -1, Pg No-111, S. No								
Basic Rate	6323.00	Qty Vide Item no 3				47.71	347.77	16591.00
Formwork, Centering & Scaffolding5%	316.15							
Add 10% Area weightage	31.62							
	347.77							
lying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all erials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding s, tying with binding wire / soft annealed steel wire and other ancilary operations complete er drawing and technical specification (PWD,CSR 2023-24. Vol -1, Pg No-18, I. No-2.11.h) All r type of structures								
T steel for reinforcement (45Kg/Cum)		1	47.71	45.00		2145.60		
	MT		tonne	2145.60	/1000=	2.15		
Basic Rate	79011.00					2.15	86912.10	186479.00
Add 10% Area weightage	7901.10							
Total	86912.10							
iding and laying 100mm thick pre-cast cover slabs over Existing Drain using M20 concrete forced slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in Cover slabs wherever necessary for easy drainage of surface water including: of labour, erials, machinery,lead and lift charges etc, Complete.								
	Sqm	1	151.45	0.90		136.31		
						136.31	2072.00	282424.00
Data Rate	2072.00							
ding and Unloading of Stone Boulder/ Stone aggregates/Sand/Kankar/Moorum. (Tipper 10 complete as per directions of Engineer-in-charge.(PWD,CSR 2023-24. Vol -3, Pg No-5, I. No								
	Cum	Qty vide Item No 1				122.67		
Basic Rate	119.00					122.67	130.90	16058.00
Add 10% A.W	11.90							
Total	130.90							
t of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road (Taking output 10 nes load and lead 10 km = 100 t.km) complete as per directions of Engineer-in-rge.(PWD,CSR 2023-24. Vol -3, Pg No-3, I. No-1.4A)								
Km X 1.28t of item No 7	T/km	1	10.00	122.67	1.28	1570.18		
Basic Rate	12.00					1570.18	13.20	20726.00
Add 10% A.W	1.20							
Total	13.20							
							SUB TOTAL	1021443.00
							Add Tender Primium charges @ 5%	51072.15
							GST 18%	193052.73
							Micelleneous and rounding off	2432.12
							TOTAL	1268000.00

cate

vorkspot was inspected and works is found to be necessary.

rea comes within the Bruhat Bangalore Mahanagara Palike limits.

ates adopted based on the PWD SR,Bangalore circle for year 2023-24

Assistant Engineer

Asst. Executive Engineer,

Executive Engineer

ADMINISTRATIVELY SANCTIONED FOR

(Rupees Twelve Lakhs Sixty Eight Thousand only [12.68] P-1878

Under the Head of Account SCP-TSP [24.10%]

Registered as no EE(D.D.)/AS 38 Subject to conditions contained in Enclosed Memo No. EE/DD/AS/38/2023-24 Dt: 06/02/202

06/02/202

Exe. Eng

(DASARAHALLI) BBMP

F/A.E.

Technically Sanctione for Rs. 12.68

Rs In words Twelve Lakhs Sixty Eight Thousand only

Under P-1878 SCP-TSP [24.10%]

Job Code No

Registered as EE No: 17/2023-24. Subject to conditions contained in Enclosed Memo No: EE/DD/TS/17/2023-24. Dt: 06/02/2024

06/02/2024

AE

Executive Engineer